AMENDMENTS TO THE SPECIFICATION

In order to correct the Specification to conform to the figures, please replace the following paragraphs beginning at page 3, line 7 through page 4, and line 10, with the following rewritten paragraphs:

Referring to FIGURE 2, the IP-based BSS 200 can include three types of nodes connected to an IP network 208. A mobile station 222 is connected to a Radio Base station 202, which is A first node connected to the IP network 208 is an RBS 202. In general, the RBS 202 functions similarly to existing RBSs used for implementing a GSM model. Moreover, the RBS 202 also provides IP support for the BSS 200. For example, the RBS 202 functions as an IP host and can include an IP router (not shown). The IP router can be used to route payload User Datagram Protocol (UDP) datagrams to one or more Transmitter/Receivers (TRXs) and also for connecting a plurality of RBSs in various topologies.

A second node connected to the IP network 208 is a GateWay (GW) 204, which is then connected to MSC 218 and SGSN 220. The GW 204 can be used to terminate the A-interface. Also, the GW 204 can perform a conversion from one protocol (e.g., SS7 protocol) to another protocol (e.g., Transmission Control Protocol (TCP)/IP). The GW 204 can also include a Media GW (MGW) which functions similarly to existing TRCs used for implementing a GSM model. The MGW (not shown) includes a pool of Transcoder/Rate Adaptor (TRA) devices (not shown), which, when allocated, are connected to the A-interface. However, the IP network (e.g., GSM) side of the TRAs in

the MGW are connected to respective UDP ports. Preferably, the GW 204 is connected

to the IP network 208 via a separate router (not shown).